

Table 2: Papers and Presentations on IPS

1. "In-Plane Switching of Nematic Liquid Crystals",
Kiefer, S., Weber, B., Windscheid, F., and Baur, G.,
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2. "Various Possibilities to Improve the Viewing Angle Characteristics of Nematic LCDs",
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Proceedings of 22. Freiburger Arbeitstagung Flüssigkristalle, presentation No. 1 (1993);
3. "In-Plane Switching: A Novel Electrooptic Effect",
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Proceedings of 23. Freiburger Arbeitstagung Flüssigkristalle, presentation No. 1, (1994);
4. "In-Plane Switching: Improvement of the Viewing Angle Characteristic by a Novel Electrooptic Effect",
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15th International Liquid Crystal Conference. Proceedings, presentation No. K-P15 (1994);
5. "Relationship between Display Quantity and Cell Parameters in the In-Plane Switching Mode of Nematic Liquid Crystals",
Oh-e, M., Ohta, M., Kondo, K. and Oh-hara, S.,
15th International Liquid Crystal Conference, Proceedings, presentation No. K-P17 (1994);
6. "Director Structures and Optical Properties of LC-Cells for In-Plane Switching",
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Proceedings of 24. Freiburger Arbeitstagung Flüssigkristalle, presentation No. 02 (1995);
7. "Principles and Characteristics of Electro-Optical Behaviour with In-Plane Switching Mode",
Oh-e, M., Ohta, M., Arantani, S., and Kondo, K.,
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8. "Development of Super-TFT-LCDs with In-Plane Switching Display Mode", Ohta, M., Oh-e, M., and Kondo, K., Asia Display '95, 15th IDRC of SID, pp. 707-710 (1995);
9. "Wide Viewing Angle Displays with In-Plane Switching Mode of Nematic LCs Addressed by TFTs", (in Japanese)
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10. "In-Plane Switching A Novel Electro-Optic Effect", Baur, G., Kiefer, R., Klausmann, H., and Windscheid, Liquid Crystals Today, Vol. 5, No. 3, pp. 13-14 (1995);
11. "Electro-Optical Characteristics and Switching Behaviour of In-Plane Switching Mode"
Oh-e, M. and Kondo, K., Appl. Phys. Lett., 67, pp. 3895-3897 (1995);
12. "Hitachi Super TFT-LCD Offers 140° Viewing Angle", Tajima, Z., and Kinugawa, K., Nikkei Electronics Asia March, (1996) pp. 73-76;
13. "Hitachi "Super-TFT" LCD Technology", Parfitt, J., EID '95 (14.11.1995);
14. "Structure of the TFT-LCD utilizing the in-plane switching mode and its characteristics", (in Japanese, English translation available)
Kondo, K., Ohta, M., and Oh-e, M., Proceedings of the 43rd Applied Physics Related Joint Conference Symposium, 26 p-K-2 (Toyo University, March 1996);
15. "Switching and Response Principles of the In-Plane Switching Mode", Oh-e, M., Ohta, M., and Kondo, K., Proceedings of 25. Freiburger Arbeitstagung Flüssigkristalle, presentation No. 03 (1996);
16. "Super-wide viewing angle TFT by the IPS method" (in Japanese, English translation available), Kinugawa, K., Electronic Display Forum '96 (Pacifico, Yokohama, April 18, 1996) pp. 1-29 - 1-35;

17. "Wide-Viewing-Angle Displays with In-Plane Switching Mode of Nematic LCs Addressed by 13.3 in XGA TFTs",
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18. "2-D Simulations of In-Plane Switching Mode LCDs",
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19. "Development of 13.3-inches Super TFT-LCD Monitor",
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20. "Numerical Modelling of IPS Effects: A New Approach and More Results",
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21. "Super-TFT-LCD with Wide Viewing Angle", (in Japanese, English translation available)
Konishi, N.,
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pp. 3-23 to 3-27;
22. "Super-TFT-liquid crystal display for the monitor", (in Japanese, English translation available)
Tajima, Z.,
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23. "Physical Behaviour of Nematic Liquid Crystals Using In-Plane Switching Mode",
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27. "34-cm Super TFT-LCD with Wide Viewing Angle",
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28. "Realization of a wide viewing angle LCD by the transverse electric field driving", (in Japanese, English translation available)
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29. "Electric Field Analysis in TFT-LCDs with In-Plane Switching Mode of Nematic LCs",
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Euro Display '96 (16th IDRC of SID) pp. 49-52 (presentation 5.1 and Conference Digest) (1996);
30. "Display Characteristics of In-Plane-Switching (IPS) LCDs and a Wide-Viewing-Angle 14.5 in IPS TFT-LCD",
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31. "Complete Suppression of Color Shift in In-Plane Switching Mode LCDs with a Multidomain Structure Obtained by Unidirectional Rubbing",
Aratani, S., Klausmann, H., Ohta, M., Ashizawa, K., and Yanagawa, K.,
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35. "Numerical Modelling of IPS-effect",
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